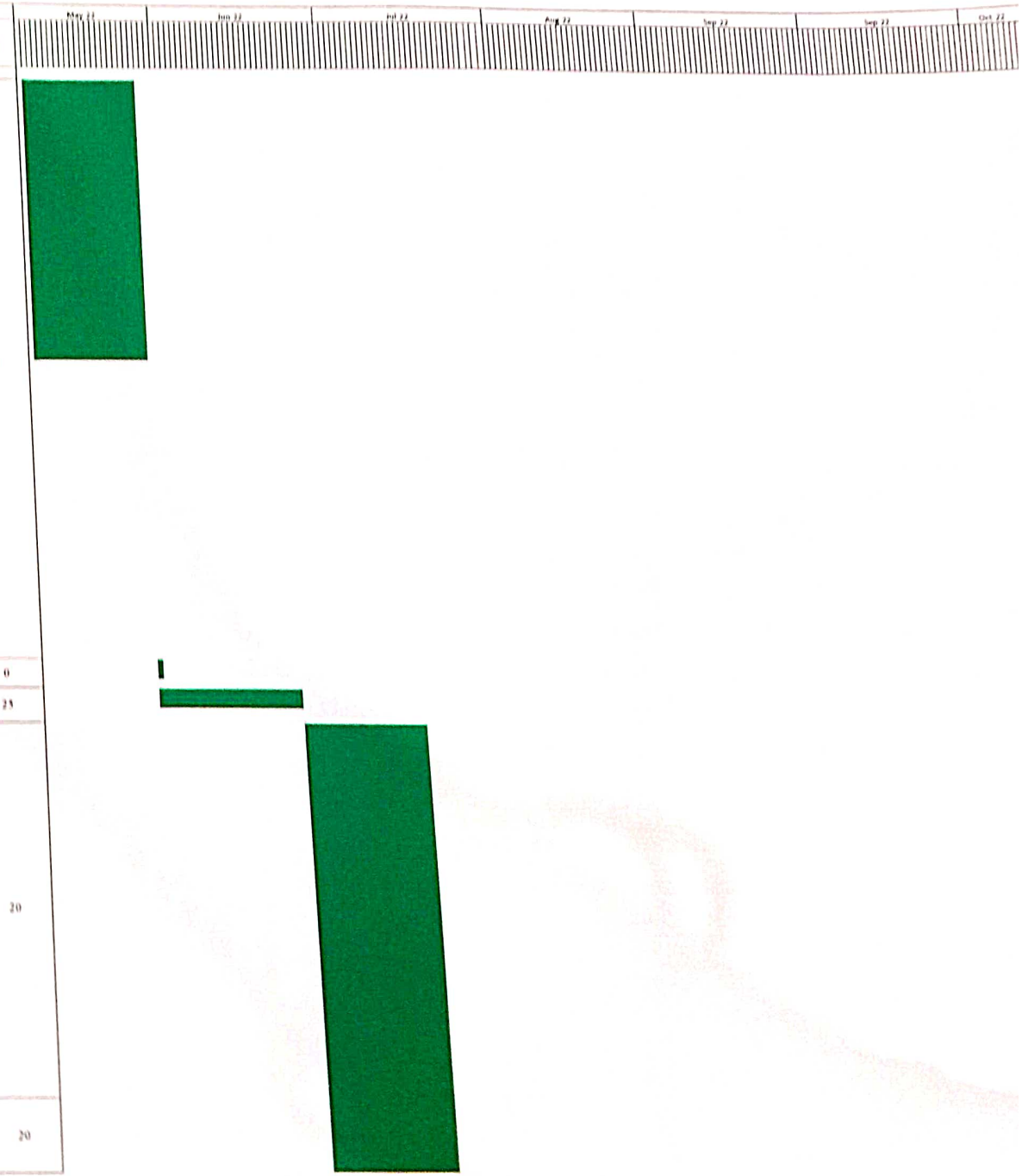
CIVIL QUALITY CONSULTANTS AND ENGINEERS

PROJECT PLANNING/SCHEDULE

Clients Name	:	Executive Engineer , Electrical Division , BR Nagar Zone
Project Name	:	Providing LED street light fitting with connected accessories in Ward no-16,17,37 & relocating of existing sodium vapour lights from ward no-16,17,37 & refixing at ward no 73 and 129 under BR Nagar Zone
Project Start Date	:	13-May-22
Project End Date	:	10-Aug-22
Project Length in Days	:	90

Sl No	Assignment	Unit	Req Unit	Start Date	End Date	No. of Working Days
1	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation Lamp compartment comprising of anti glare clear diffuser with injection moulded polycarbonate material delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees CCT = 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire = IK08 Power Factor =0.9 with mains, Surge Protection Min 5KV along with Over voltage/ Overload, short circuit/ miss wiring protection Compatible for pole mounting with outer dia of 60mm to 76mm Universal Voltage driver to operate wide voltage range from 180V to 270V 50/60Hz application Compliance to IS 10322/IEC 60598 LM 79 & LM 80 Adherence with RoHS 03 approved MCPCB Top access street light with single screw to ensure ease of maintenance at the right site location with minimized manual tools LED Light fixture with W System Power consumption LED Efficiency= 130lm/w, minimal CRI =70 Luminaire manufacturer should have in house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part Warranty of 3 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source LED Streetlight 70watts	No	108 (8)	13-May-22	2-Jun-22	20
2	LED Streetlight 90 Watts	No	3 (0)	2-Jun-22	2-Jun-22	0
3	LED Streetlight 120 Watts	No	181 (8)	2-Jun-22	27-Jun-22	25
4	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation Lamp compartment comprising of anti glare clear diffuser with injection moulded polycarbonate/clear glass material delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT = 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire = IK08 Power Factor =0.9 with mains, Surge Protection Min 5KV along with Over voltage/ Overload, short circuit/ miss wiring protection Compatible for pole mounting with outer dia of 60mm to 76mm U Top access street light with single screw to ensure ease of maintenance at the right site location with minimized manual tools LED Light fixture with W System Power consumption Warranty of 3 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source LED Floodlight 180W	No	107 (8)	28-Jun-22	18-Jul-22	20
5	Fixing halogen metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires	No	107 (8)	28-Jun-22	18-Jul-22	20



Sl. No	Assignment	Unit	Boq Qnty	Start Date	End Date	No. of Working Days
6	Supplying and Fixing ... mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175mm length is fixed for fixing MV/SV/MH/FTL street light fitting of all capacities on rail/RCC/wall/tubular pole, using suitable clamps, bolts, nuts and wiring using suitable capacity wires. Using 32mm dia G I Pipe	Each	1885.00	13-May-22	7-Jun-22	25
7	Fabricating, supplying and erecting swaged tubular pole of height ... Mtr having three sections, and providing two coats of red oxide paint and finished with two coats of enamelled paint of approved quality and colour and M.S base plate of suitable size welded at the bottom of the pole(as per IS) and 40mm dia GI / flexible PVC pipe of 1 mtr length fitted to the heavy gauge polycarbonate control box including 5way connector of size 167x 125x82mm for 7.5M pole/200x160x98mm for remaining length of pole with front opening cover, with locking arrangements and suitable capacity MCB / DP switch, The pole shall be erected in cement concrete work (1:2:4) including excavation and refilling of planning depth of the pole to the ground level and the coping CC shall be up to 0.6M above ground level as per IS 2713 - 7. Erection of heavy duty pole on Footpath / median 4:1:1) 9Mt (5Mt Hb,165.1mm dia 4.85mm thick x2M Hm, 139.7mmdia 4.50mm thick x 2M Ht,114.3mm dia 3.65mm thick) as per IS 410 SP 32	Each	80.00	8-Jun-22	23-Jun-22	15
8	Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe, with 2" dia 1.5m long M. S. bracket and are welded with suitable angle, using 6mm thick M. S. sheet, gmp bolts & nuts, as required, suitable for 9 to 12 Mtrs. M. S. tubular pole, with necessary two coats of painting, with all other accessories. Single bracket 1.5 Mtr. Length	Each	60.00	24-Jun-22	26-Jun-22	2
9	Double bracket 2x1.5 Mtr length	Each	20.00	26-Jun-22	30-Jun-22	4
10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter on suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 300mmx450mmx214mm	Each	105.00	30-Jun-22	10-Jul-22	10
	Supplying and stringing of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminium Phase Conductor, and Stranded Messenger Conductor with all aluminium Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & conforming to GTP of GROUP-A. 2x25+ 1 X 25 SQ.MM	Mtr	5000.00	10-Jul-22	30-Jul-22	20
	Releasing and refixing of sodium vapour/ metal halide/ LED street light/ flood light fittings over the existing pole/ wall/ ceiling including clamps, and wiring using suitable capacity wires	Each	650.00	31-Jul-22	14-Aug-22	14